

## 2007 UTRAC - PRIORITIZED PROJECTS LISTED FOR FY08 FUNDING

Revision Date:

11/7/2007

<u>Funding Priority</u>	<u>PIC No.</u>	<u>Group</u>	<u>UTRAC Prob No.</u>	<u>Problem Title</u>	<u>Submitted By</u>	<u>Champion</u>	<u>Project Manager</u>	<u>Approx Budget</u>
1	UT07.204	MAINTENANCE	07.02-4	In-situ Culvert Rehabilitation /Synthesis Study and Field Evaluation (see also 07.09-4) (scope & budget combined with 07.09-3)	Lynn Bernhard / Blake Tullis	Tim Ularich/Pat McGann / Stuhff / Fazio	Fazio	\$100,000
2	UT07.301	MATERIALS	07.03-01	Cold Temperatures and Fatigue Quality Control Test for Asphalt Mixes	Kevin VanFrank	Tim Biel/Kevin VanFrank	Anderson	\$100,000
3	UT07.401	ENVIRONMENTAL	07.04-1	Determining Wildlife Use of Wildlife Crossing Structures Under Different Scenarios	Patricia Cramer	Shane Marshall	Fazio	\$220,000
4	UT07.501	PLANNING	07.05-1	Evaluating The Level of Accuracy of Truck Traffic Data on State Highways	Dr. Mitsuru Saito(BYU), Bill Lawrence(UDOT)	Bill Lawrence(UDOT)	Anderson	\$45,000
5	UT07.601	TRAFFIC	07.06-1	Crashes in the Vicinity of Major Crossroads (see also 07.05-6)	Tim Boschert/Grant Schultz	Tim Boschert/Rob Clayton	Anderson	\$40,000
6	UT07.704	GEOTECHNICAL	07.07-4	Improved Stability and Consolidation Assessment of Embankments	Steve Bartlett, Evert Lawton	Jim Higbee	Leonard	\$70,000
7	UT07.801	STRUCTURES	07.08-1	Accelerated Bridge Construction and Prefabricated decks	Hugh Boyle	Boyd Wheeler / Richard Miller	Hsiao	\$150,000
8	UT07.107	CONSTRUCTION	07.01-7	Machine Control Guidance	Craig Hancock	Craig Hancock	Fazio	\$65,000
9	UT07.210	MAINTENANCE	07.02-10	Snow Fence Configurations to Allow for Close proximity to Protected Areas	Norton Thurgood	Norton Thurgood	Berg	\$30,000
10	UT07.305	MATERIALS	07.03-05	Occurrence of Water Vapor Flow in Non-Frost-Susceptible Aggregate Base Materials	Spencer Guthrie	Rod Terry	Hsiao	\$40,000
11	UT07.504	PLANNING	07.05-4	Economics and Project Prioritization	Tim Boschert(UDOT) and Grant Schultz(BYU)	Tim Boschert (UDOT), Ahmad Jaber (UDOT)	Lindsey	\$35,000
12	UT07.604	TRAFFIC	07.06-4	Development of a Decision Support Tool for Assessing Vulnerability of Transportation Networks	Anthony Chen	Kris Peterson	Anderson	\$120,000
13	UT07.708	GEOTECHNICAL	07.07-8	Shaking Table Testing of EQ Drains	Kyle Rollins	Jim Higbee	Leonard	\$40,000
14	UT07.809	STRUCTURES	07.08-9	Isolation Bearings	Keri Ryan, Hugh Boyle	Ray Cook	Hsiao	\$41,000
15	UT07.905	HYDRAULICS	07.09-5	Retrofitting Culverts and Fish Passage	R. Hotchkiss, B. Tullis	D. Stuhff, M. Fazio, T. Ularich	Fazio	\$142,000
16	UT07.805	STRUCTURES	07.08-5	Design Methodology for Repair of Prestressed Concrete Girder Ends with FRP Composites	Chris Pantelides	Richard Miller / Dave Eixenberger	Hsiao	\$60,000
17	UT07.806	STRUCTURES	07.08-6	The Synthesis of Design Guidelines for Corrosion Resistant Reinforced Concrete	Lawrence Reaveley	Richard Miller, David Eixenberger	Hsiao	\$30,000
18	UT07.306	MATERIALS	07.03-06	Optimization of Mixture Designs using Ternary Blends of Cementitious Materials	Paul Tikalsky	Degen Lewis	Fazio	\$60,000
19	UT07.101	CONSTRUCTION	07.01-1	Evaluation of the Effect of Variable Advisory Speed Systems on Queue Mitigation in Work zones	Peter Negus and Mitsuru Saito	Peter Negus		\$65,000
20	UT07.208	MAINTENANCE	07.02-8	Costs of Winter Maintenance on Asphalt vs. Concrete Pavements	Norton Thurgood	Norton Thurgood	Sharp	\$20,000
21	UT07.402	ENVIRONMENTAL	07.04-2	Tire Noise on I-215 East	Jim McMinimee, Abdul Wakil and Doug Anderson	Jim McMinimee	Wakil	\$15,000
22	UT07.509	PLANNING	07.05-9	Retention of Core Competencies	Fred Doehring	Fred Doehring	Fazio	\$30,000
23	UT07.304	MATERIALS	07.03-04	Flexible Pavement - Structural Condition Index	Gary Kuhl	Gary Kuhl	Anderson	\$14,000
24	UT07.605	TRAFFIC	07.06-05	Evaluation of Optimal Traffic Monitoring Station Spacing on Freeways	Dave Kinnecom	Dave Kinnecom		\$50,000